

# ICT

# 1

*Curriculum map*

**prep1**

*Second term*





## the computer preparation bookvision

The vision of the computer preparation notebook aims to raise the level of the teacher scientifically and educationally and thus raise the educational level (Technology) to be clear and contain all the capabilities that help the teacher manage the class in a appropriate atmosphere, using modern technology tools and taking into account the individual differences of the students

## the computer preparation book mission

- Choosing and formulating various objectives (cognitive - skill - emotional), taking into account the integrity of the formulation and the individual differences of students, using modern technology methods.
- Creating an environment that stimulates learning and creativity to raise the level of students in computer science.
- Choosing the best educational, pedagogical and administrative strategies and training them on them and developing them
- Choosing scientific methods and means in teaching and using technology to support and enhance And facilitating the educational process.
- Use a presentation to explain the lesson, simplified and omprehensive, for all points of the lesson
- Using various evaluation methods, taking into account the individual differences of students and taking into account the measurement of goals
- Conclude the lesson in an appropriate and varied manner

Teacher

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Guider

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School manager

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| learning outcomes                                                                        | current curriculum content                    | Strategy                | Teaching aids                                                | calendar methods | Evidence and evidence   | enrichment activities                         |
|------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------|--------------------------------------------------------------|------------------|-------------------------|-----------------------------------------------|
| Suggest the largest number of ideas for the uses of artificial intelligence in our lives | Lesson 1 Artificial Intelligence Applications | Brainstorming           | Electronic board-book-presentation -cards for some sensors - | Student's Book   | Lesson preparation book | research on Artificial Intelligence (AI)      |
| Lists types of artificial intelligence                                                   |                                               | Problem Solving         |                                                              |                  |                         |                                               |
| Review some practical applications of .artificial intelligence                           |                                               | Dialogue and discussion |                                                              |                  |                         |                                               |
| Mention the different types of sensors and their areas of use                            | Lesson 2 Sensors                              | Dialogue and discussion |                                                              |                  |                         | Research on Sensors                           |
| list The importance of sensors in our modern life                                        |                                               | practical training      |                                                              |                  |                         |                                               |
| Design a simple project based on the idea of sensors                                     |                                               | Problem solving         |                                                              |                  |                         |                                               |
| Explains the concept of Robot                                                            | Lesson 3 Robots                               | Brainstorming           |                                                              |                  |                         | Research on Robotics / Robots                 |
| suggest the largest number of ideas for the uses of robots in our lives                  |                                               | Dialogue and discussion |                                                              |                  |                         |                                               |
| List Types of robots and their functions                                                 |                                               |                         |                                                              |                  |                         |                                               |
| Explain Uses of Scratch                                                                  | :Lesson 4 Scratch                             | Brainstorming           |                                                              |                  |                         | Downloading and Uninstalling Scratch software |
| Deduce the features of the Scratch program                                               |                                               | Critical thinking       |                                                              |                  |                         |                                               |
| Use Scratch program to create a small project                                            |                                               | Dialogue and discussion |                                                              |                  |                         |                                               |
| Explain Uses of Scratch                                                                  | Lesson -4-1 Scratch                           | Brainstorming           |                                                              |                  |                         | Creating a complete project on Scratch        |
| Deduce the features of the Scratch program                                               |                                               | Critical thinking       |                                                              |                  |                         |                                               |
| Use Scratch program to create a small project                                            |                                               | Dialogue and discussion |                                                              |                  |                         |                                               |
| Discuss The concept of the object area in Scratch                                        | Lesson5 Sprites Area in Scratch               | cooperative learning    |                                                              |                  |                         | Creating a complete project on Scratch        |
| Creates Simple Scratch Project                                                           |                                               | Critical thinking       |                                                              |                  |                         |                                               |
| Develops Project "adds - deletes -. modifies" objects on the project                     |                                               | Dialogue and discussion |                                                              |                  |                         |                                               |

|                                                                      |                                          |                         |                                                                                                                                     |                                         |
|----------------------------------------------------------------------|------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Discuss The concept of the object area in Scratch                    | Lesson 5-2<br>Sprites Area<br>in Scratch | Brainstorming           | Electronic board-book-presentation -<br><br>Interact wi presentation<br><br>that the student did with his classmates/Oral questions | Creating a complete project on Scratch  |
| Creates Simple Scratch Project                                       |                                          | Critical thinking       |                                                                                                                                     | Creating a complete project on Scratch  |
| Develops Project "adds - deletes -. modifies" objects on the project |                                          | Dialogue and discussion |                                                                                                                                     | research on Python programming language |
| Discuss The concept of the object area in Scratch                    | Lesson 5-3<br>Sprites Area<br>in Scratch | Brainstorming           |                                                                                                                                     | Developing a project using Python       |
| Develops Project "adds - deletes -. modifies" objects on the project |                                          | Dialogue and discussion |                                                                                                                                     | Developing a project using Python       |
| Creates Simple Scratch Project                                       |                                          | Problem solving         |                                                                                                                                     | Developing a project using Python       |
| Explains Python programming language concept                         | Lesson 6<br>Principles of<br>Python      | Practical Training      |                                                                                                                                     |                                         |
| List the uses of the Python language                                 |                                          | Dialogue and discussion |                                                                                                                                     |                                         |
| Practice Steps to download Python language to the device.            |                                          | Problem solving         |                                                                                                                                     |                                         |
| Explains Python programming language concept                         | Lesson 6-2<br>Principles<br>of Python    | Practical Training      |                                                                                                                                     |                                         |
| List the uses of the Python language                                 |                                          | Dialogue and discussion |                                                                                                                                     |                                         |
| Practice Steps to download Python language to the device.            |                                          | Problem solving         |                                                                                                                                     |                                         |
| Explains Concept of variables -                                      | Lesson 7<br>Variables in<br>Python       | Dialogue and discussion |                                                                                                                                     |                                         |
| Deduce the types of variables                                        |                                          | practical training      |                                                                                                                                     |                                         |
| write Simple programing Code in python                               |                                          | Problem solving         |                                                                                                                                     |                                         |
| Explains Concept of variables -                                      | Lesson 7-2<br>Variables<br>in Python     | Dialogue and discussion |                                                                                                                                     |                                         |
| Deduce the types of variables                                        |                                          | practical training      |                                                                                                                                     |                                         |
| write Simple programing Code in python                               |                                          | Problem solving         |                                                                                                                                     |                                         |